

AN 1996:87852 HCAPLUS
 DN 124:296294
 TI Free-cutting lead-free brass alloys
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 CODEN: JKXXAF

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07310133	A2	19951128	JP 1994-123213	19940512
	JP 3335002	B2	20021015		
PRAI	JP 1994-123213		19940512		

AB The alloys have high resistance to dezincification and wear, and they contain Zn 20-45; Bi 0.2-4; Sn 0.2-3; Ni ≤ 4 , Si ≤ 3 , Al ≤ 6 , Mn ≤ 5 , and/or Sb ≤ 1 ; and/or Fe ≤ 3 , Co ≤ 3 , Ti ≤ 3 , Mo ≤ 1 , Cr ≤ 1 , Zr ≤ 2 , and/or Nb $\leq 1\%$. The alloys contain Zn 22-42; Bi 0.5-2; Sn 0.5-2; Ni ≤ 4 , Si ≤ 4 , Al ≤ 6 , Mn ≤ 5 , and/or Sb ≤ 1 ; and/or Fe ≤ 3 , Co ≤ 3 , Ti ≤ 3 , Mo ≤ 2 , Cr ≤ 2 , Zr ≤ 2 , and/or Nb $\leq 2\%$. The alloys contain $\leq 0.4\%$ Pb. The alloys are useful for sliding materials such as bearings for seawater pumps.